

CERTIFICATE OF COMPLIANCE

Certificate Number 20171006-E188913
Report Reference E188913-20160503
Issue Date 2017-NOVEMBER-14


Issued to: TRACO ELECTRONIC AG
Sihlbruggstrasse 111
CH-6340 Baar, SWITZERLAND

This is to certify that representative samples of POWER SUPPLIES, MEDICAL AND DENTAL - COMPONENT
See Addendum Page for Models

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: See Addendum for Standards
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



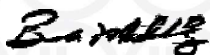
CERTIFICATE OF COMPLIANCE

Certificate Number 20171006-E188913
Report Reference E188913-20160503
Issue Date 2017-NOVEMBER-14

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Standard(s) for Safety - ANSI/AAMI ES60601-1 (2005/(R)2012 + A1:2012, C1:2009/(R)2012 + A2:2010/(R)2012) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance)
CAN/CSA-C22.2 No. 60601-1:14 (Medical electrical equipment - Part 1: General requirements for basic safety and essential performance)

Models - TPP 40-105Azzzzzzzz, TPP 40-107Azzzzzzzz, TPP 40-109Azzzzzzzz, TPP 40-112Azzzzzzzz, TPP 40-1L12Azzzzzzzz, TPP 40-115Azzzzzzzz, TPP 40-1L15Azzzzzzzz, TPP 40-124Azzzzzzzz, TPP 40-128Azzzzzzzz, TPP 40-136Azzzzzzzz, TPP 40-148Azzzzzzzz, TPP 40-153Azzzzzzzz, TPP 40-105Uzzzzzzzz, TPP 40-107Uzzzzzzzz, TPP 40-109Uzzzzzzzz, TPP 40-112Uzzzzzzzz, TPP 40-1L12Uzzzzzzzz, TPP 40-115Uzzzzzzzz, TPP 40-1L15Uzzzzzzzz, TPP 40-124Uzzzzzzzz, TPP 40-128Uzzzzzzzz, TPP 40-136Uzzzzzzzz, TPP 40-148Uzzzzzzzz, TPP 40-153Uzzzzzzzz, TPP 40-105zzzzzzzz, TPP 40-107zzzzzzzz, TPP 40-109zzzzzzzz, TPP 40-112zzzzzzzz, TPP 40-1L12zzzzzzzz, TPP 40-115zzzzzzzz, TPP 40-1L15zzzzzzzz, TPP 40-124zzzzzzzz, TPP 40-128zzzzzzzz, TPP 40-136zzzzzzzz, TPP 40-148zzzzzzzz, TPP 40-153zzzzzzzz, TPP 40-105Dzzzzzzzz, TPP 40-107Dzzzzzzzz, TPP 40-109Dzzzzzzzz, TPP 40-112Dzzzzzzzz, TPP 40-1L12Dzzzzzzzz, TPP 40-115Dzzzzzzzz, TPP 40-1L15Dzzzzzzzz, TPP 40-124Dzzzzzzzz, TPP 40-128Dzzzzzzzz, TPP 40-136Dzzzzzzzz, TPP 40-148Dzzzzzzzz, TPP 40-153Dzzzzzzzz, TPP 40-105BAzzzzzzzz, TPP 40-107BAzzzzzzzz, TPP 40-109BAzzzzzzzz, TPP 40-112BAzzzzzzzz, TPP 40-1L12BAzzzzzzzz, TPP 40-115BAzzzzzzzz, TPP 40-1L15BAzzzzzzzz, TPP 40-124BAzzzzzzzz, TPP 40-128BAzzzzzzzz, TPP 40-136BAzzzzzzzz, TPP 40-148BAzzzzzzzz, TPP 40-153BAzzzzzzzz, TPP 40-105BUzzzzzzzz, TPP 40-107BUzzzzzzzz, TPP 40-109BUzzzzzzzz, TPP 40-112BUzzzzzzzz, TPP 40-1L12BUzzzzzzzz, TPP 40-115BUzzzzzzzz, TPP 40-1L15BUzzzzzzzz, TPP 40-124BUzzzzzzzz, TPP 40-128BUzzzzzzzz, TPP 40-136BUzzzzzzzz, TPP 40-148BUzzzzzzzz, TPP 40-153BUzzzzzzzz, TPP 40-105Bzzzzzzzz, TPP 40-107Bzzzzzzzz, TPP 40-109Bzzzzzzzz, TPP 40-112Bzzzzzzzz, TPP 40-1L12Bzzzzzzzz, TPP 40-115Bzzzzzzzz, TPP 40-1L15Bzzzzzzzz, TPP 40-124Bzzzzzzzz, TPP 40-128Bzzzzzzzz, TPP 40-136Bzzzzzzzz, TPP 40-148Bzzzzzzzz, TPP 40-153Bzzzzzzzz, TPP 40-105BDzzzzzzzz, TPP 40-107BDzzzzzzzz, TPP 40-109BDzzzzzzzz, TPP 40-112BDzzzzzzzz, TPP 40-1L12BDzzzzzzzz, TPP 40-115BDzzzzzzzz, TPP 40-1L15BDzzzzzzzz, TPP 40-124BDzzzzzzzz, TPP 40-128BDzzzzzzzz, TPP 40-136BDzzzzzzzz, TPP 40-148BDzzzzzzzz, TPP 40-153BDzzzzzzzz, TPP 65-105Azzzzzzzz, TPP 65-107Azzzzzzzz, TPP 65-109Azzzzzzzz, TPP 65-112Azzzzzzzz, TPP 65-115Azzzzzzzz, TPP 65-124Azzzzzzzz, TPP 65-1L24Azzzzzzzz, TPP 65-128Azzzzzzzz, TPP 65-1L28Azzzzzzzz, TPP 65-136Azzzzzzzz, TPP 65-148Azzzzzzzz, TPP 65-153Azzzzzzzz, TPP 65-105Uzzzzzzzz, TPP 65-107Uzzzzzzzz, TPP 65-109Uzzzzzzzz, TPP 65-112Uzzzzzzzz, TPP 65-115Uzzzzzzzz, TPP 65-124Uzzzzzzzz, TPP 65-1L24Uzzzzzzzz, TPP 65-128Uzzzzzzzz, TPP 65-1L28Uzzzzzzzz, TPP 65-136Uzzzzzzzz, TPP 65-148Uzzzzzzzz, TPP 65-153Uzzzzzzzz, TPP 65-105zzzzzzzz, TPP 65-107zzzzzzzz, TPP 65-109zzzzzzzz, TPP 65-112zzzzzzzz, TPP 65-115zzzzzzzz, TPP 65-124zzzzzzzz, TPP 65-1L24zzzzzzzz, TPP 65-128zzzzzzzz, TPP 65-1L28zzzzzzzz, TPP 65-136zzzzzzzz, TPP 65-148zzzzzzzz, TPP 65-153zzzzzzzz, TPP 65-105Dzzzzzzzz, TPP 65-107Dzzzzzzzz, TPP 65-109Dzzzzzzzz, TPP 65-112Dzzzzzzzz, TPP 65-115Dzzzzzzzz, TPP 65-124Dzzzzzzzz, TPP 65-1L24Dzzzzzzzz, TPP 65-128Dzzzzzzzz, TPP 65-1L28Dzzzzzzzz, TPP 65-



Bruce Mahrenholz, Director North American Certification Program

UL LLC

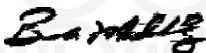
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20171006-E188913
Report Reference E188913-20160503
Issue Date 2017-NOVEMBER-14

136Dzzzzzzzz, TPP 65-148Dzzzzzzzz, TPP 65-153Dzzzzzzzz, TPP 65-105BAzzzzzzzz, TPP 65-107BAzzzzzzzz, TPP 65-109BAzzzzzzzz, TPP 65-112BAzzzzzzzz, TPP 65-115BAzzzzzzzz, TPP 65-124BAzzzzzzzz, TPP 65-1L24BAzzzzzzzz, TPP 65-128BAzzzzzzzz, TPP 65-1L28BAzzzzzzzz, TPP 65-136BAzzzzzzzz, TPP 65-148BAzzzzzzzz, TPP 65-153BAzzzzzzzz, TPP 65-105BUzzzzzzzz, TPP 65-107BUzzzzzzzz, TPP 65-109BUzzzzzzzz, TPP 65-112BUzzzzzzzz, TPP 65-115BUzzzzzzzz, TPP 65-124BUzzzzzzzz, TPP 65-1L24BUzzzzzzzz, TPP 65-128BUzzzzzzzz, TPP 65-1L28BUzzzzzzzz, TPP 65-136BUzzzzzzzz, TPP 65-148BUzzzzzzzz, TPP 65-153BUzzzzzzzz, TPP 65-105Bzzzzzzzz, TPP 65-107Bzzzzzzzz, TPP 65-109Bzzzzzzzz, TPP 65-112Bzzzzzzzz, TPP 65-115Bzzzzzzzz, TPP 65-124Bzzzzzzzz, TPP 65-1L24Bzzzzzzzz, TPP 65-128Bzzzzzzzz, TPP 65-1L28Bzzzzzzzz, TPP 65-136Bzzzzzzzz, TPP 65-148Bzzzzzzzz, TPP 65-153Bzzzzzzzz, TPP 65-105BDzzzzzzzz, TPP 65-107BDzzzzzzzz, TPP 65-109BDzzzzzzzz, TPP 65-112BDzzzzzzzz, TPP 65-115BDzzzzzzzz, TPP 65-124BDzzzzzzzz, TPP 65-1L24BDzzzzzzzz, TPP 65-128BDzzzzzzzz, TPP 65-1L28BDzzzzzzzz, TPP 65-136BDzzzzzzzz, TPP 65-148BDzzzzzzzz, TPP 65-153BDzzzzzzzz, TPP 40-210Azzzzzzzz, TPP 40-221Azzzzzzzz, TPP 40-220Azzzzzzzz, TPP 40-231Azzzzzzzz, TPP 40-251Azzzzzzzz, TPP 40-310M1Azzzzzzzz, TPP 40-310M2Azzzzzzzz, TPP 40-321M1Azzzzzzzz, TPP 40-321M2Azzzzzzzz, TPP 40-320Azzzzzzzz, TPP 40-320M2Azzzzzzzz, TPP 40-331M3Azzzzzzzz, TPP 40-351Azzzzzzzz, TPP 40-351M2Azzzzzzzz, TPP 40-210Uzzzzzzzz, TPP 40-221Uzzzzzzzz, TPP 40-220Uzzzzzzzz, TPP 40-231Uzzzzzzzz, TPP 40-251Uzzzzzzzz, TPP 40-310M1Uzzzzzzzz, TPP 40-310M2Uzzzzzzzz, TPP 40-321M1Uzzzzzzzz, TPP 40-321M2Uzzzzzzzz, TPP 40-320Uzzzzzzzz, TPP 40-320M2Uzzzzzzzz, TPP 40-331M3Uzzzzzzzz, TPP 40-351Uzzzzzzzz, TPP 40-351M2Uzzzzzzzz, TPP 40-210zzzzzzzz, TPP 40-221zzzzzzzz, TPP 40-220zzzzzzzz, TPP 40-231zzzzzzzz, TPP 40-251zzzzzzzz, TPP 40-310M1zzzzzzzz, TPP 40-310M2zzzzzzzz, TPP 40-321M1zzzzzzzz, TPP 40-321M2zzzzzzzz, TPP 40-320zzzzzzzz, TPP 40-320M2zzzzzzzz, TPP 40-331M3zzzzzzzz, TPP 40-351zzzzzzzz, TPP 40-351M2zzzzzzzz, TPP 40-210Dzzzzzzzz, TPP 40-221Dzzzzzzzz, TPP 40-220Dzzzzzzzz, TPP 40-231Dzzzzzzzz, TPP 40-251Dzzzzzzzz, TPP 40-310M1Dzzzzzzzz, TPP 40-310M2Dzzzzzzzz, TPP 40-321M1Dzzzzzzzz, TPP 40-321M2Dzzzzzzzz, TPP 40-320Dzzzzzzzz, TPP 40-320M2Dzzzzzzzz, TPP 40-331M3Dzzzzzzzz, TPP 40-351Dzzzzzzzz, TPP 40-351M2Dzzzzzzzz, , TPP 40-210BAzzzzzzzz, TPP 40-221BAzzzzzzzz, TPP 40-220BAzzzzzzzz, TPP 40-231BAzzzzzzzz, TPP 40-251BAzzzzzzzz, TPP 40-310M1BAzzzzzzzz, TPP 40-310M2BAzzzzzzzz, TPP 40-321M1BAzzzzzzzz, TPP 40-321M2BAzzzzzzzz, TPP 40-320BAzzzzzzzz, TPP 40-320M2BAzzzzzzzz, TPP 40-331M3BAzzzzzzzz, TPP 40-351BAzzzzzzzz, TPP 40-351M2BAzzzzzzzz, TPP 40-210BUzzzzzzzz, TPP 40-221BUzzzzzzzz, TPP 40-220BUzzzzzzzz, TPP 40-231BUzzzzzzzz, TPP 40-251BUzzzzzzzz, TPP 40-310M1BUzzzzzzzz, TPP 40-310M2BUzzzzzzzz, TPP 40-321M1BUzzzzzzzz, TPP 40-321M2BUzzzzzzzz, TPP 40-320BUzzzzzzzz, TPP 40-320M2BUzzzzzzzz, TPP 40-331M3BUzzzzzzzz, TPP 40-351BUzzzzzzzz, TPP 40-351M2BUzzzzzzzz, TPP 40-210Bzzzzzzzz, TPP 40-221Bzzzzzzzz, TPP 40-220Bzzzzzzzz, TPP 40-231Bzzzzzzzz, TPP 40-251Bzzzzzzzz, TPP 40-310M1Bzzzzzzzz, TPP 40-310M2Bzzzzzzzz, TPP 40-321M1Bzzzzzzzz, TPP 40-321M2Bzzzzzzzz, TPP 40-320Bzzzzzzzz, TPP 40-320M2Bzzzzzzzz, TPP 40-331M3Bzzzzzzzz, TPP 40-351Bzzzzzzzz, TPP 40-351M2Bzzzzzzzz, TPP 40-210BDzzzzzzzz, TPP 40-221BDzzzzzzzz, TPP 40-220BDzzzzzzzz, TPP 40-231BDzzzzzzzz, TPP 40-251BDzzzzzzzz, TPP 40-310M1BDzzzzzzzz, TPP 40-310M2BDzzzzzzzz, TPP 40-321M1BDzzzzzzzz, TPP 40-321M2BDzzzzzzzz, TPP 40-320BDzzzzzzzz, TPP 40-320M2BDzzzzzzzz, TPP 40-331M3BDzzzzzzzz, TPP 40-351BDzzzzzzzz,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

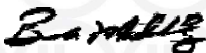
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20171006-E188913
Report Reference E188913-20160503
Issue Date 2017-NOVEMBER-14

TPP 40-351M2BDzzzzzzzz, , TPP 65-210Azzzzzzzz, TPP 65-221Azzzzzzzz, TPP 65-220Azzzzzzzz, TPP 65-231Azzzzzzzz, TPP 65-251Azzzzzzzz, TPP 65-310M1Azzzzzzzz, TPP 65-3102Azzzzzzzz, TPP 65-310M2Azzzzzzzz, TPP 65-321M1Azzzzzzzz, TPP 65-321M2Azzzzzzzz, TPP 65-3201Azzzzzzzz, TPP 65-320M2Azzzzzzzz, TPP 65-331M3Azzzzzzzz, TPP 65-3512Azzzzzzzz, TPP 65-351M2Azzzzzzzz, TPP 65-210Uzzzzzzzz, TPP 65-221Uzzzzzzzz, TPP 65-220Uzzzzzzzz, TPP 65-231Uzzzzzzzz, TPP 65-251Uzzzzzzzz, TPP 65-310M1Uzzzzzzzz, TPP 65-3102Uzzzzzzzz, TPP 65-310M2Uzzzzzzzz, TPP 65-321M1Uzzzzzzzz, TPP 65-321M2Uzzzzzzzz, TPP 65-3201Uzzzzzzzz, TPP 65-320M2Uzzzzzzzz, TPP 65-331M3Uzzzzzzzz, TPP 65-3512Uzzzzzzzz, TPP 65-351M2Uzzzzzzzz, TPP 65-210zzzzzzzz, TPP 65-221zzzzzzzz, TPP 65-220zzzzzzzz, TPP 65-231zzzzzzzz, TPP 65-251zzzzzzzz, TPP 65-310M1zzzzzzzz, TPP 65-3102zzzzzzzz, TPP 65-310M2zzzzzzzz, TPP 65-321M1zzzzzzzz, TPP 65-321M2zzzzzzzz, TPP 65-3201zzzzzzzz, TPP 65-320M2zzzzzzzz, TPP 65-331M3zzzzzzzz, TPP 65-3512zzzzzzzz, TPP 65-351M2zzzzzzzz, TPP 65-210Dzzzzzzzz, TPP 65-221Dzzzzzzzz, TPP 65-220Dzzzzzzzz, TPP 65-231Dzzzzzzzz, TPP 65-251Dzzzzzzzz, TPP 65-310M1Dzzzzzzzz, TPP 65-3102Dzzzzzzzz, TPP 65-310M2Dzzzzzzzz, TPP 65-321M1Dzzzzzzzz, TPP 65-321M2Dzzzzzzzz, TPP 65-3201Dzzzzzzzz, TPP 65-320M2Dzzzzzzzz, TPP 65-331M3Dzzzzzzzz, TPP 65-3512Dzzzzzzzz, TPP 65-351M2Dzzzzzzzz, TPP 65-210BAzzzzzzzz, TPP 65-221BAzzzzzzzz, TPP 65-220BAzzzzzzzz, TPP 65-231BAzzzzzzzz, TPP 65-251BAzzzzzzzz, TPP 65-310M1BAzzzzzzzz, TPP 65-3102BAzzzzzzzz, TPP 65-310M2BAzzzzzzzz, TPP 65-321M1BAzzzzzzzz, TPP 65-321M2BAzzzzzzzz, TPP 65-3201BAzzzzzzzz, TPP 65-320M2BAzzzzzzzz, TPP 65-331M3BAzzzzzzzz, TPP 65-3512BAzzzzzzzz, TPP 65-351M2BAzzzzzzzz, TPP 65-210BUzzzzzzzz, TPP 65-221BUzzzzzzzz, TPP 65-220BUzzzzzzzz, TPP 65-231BUzzzzzzzz, TPP 65-251BUzzzzzzzz, TPP 65-310M1BUzzzzzzzz, TPP 65-3102BUzzzzzzzz, TPP 65-310M2BUzzzzzzzz, TPP 65-321M1BUzzzzzzzz, TPP 65-321M2BUzzzzzzzz, TPP 65-3201BUzzzzzzzz, TPP 65-320M2BUzzzzzzzz, TPP 65-331M3BUzzzzzzzz, TPP 65-3512BUzzzzzzzz, TPP 65-351M2BUzzzzzzzz, TPP 65-210Bzzzzzzzz, TPP 65-221Bzzzzzzzz, TPP 65-220Bzzzzzzzz, TPP 65-231Bzzzzzzzz, TPP 65-251Bzzzzzzzz, TPP 65-310M1Bzzzzzzzz, TPP 65-3102Bzzzzzzzz, TPP 65-310M2Bzzzzzzzz, TPP 65-321M1Bzzzzzzzz, TPP 65-321M2Bzzzzzzzz, TPP 65-3201Bzzzzzzzz, TPP 65-320M2Bzzzzzzzz, TPP 65-331M3Bzzzzzzzz, TPP 65-3512Bzzzzzzzz, TPP 65-351M2Bzzzzzzzz, TPP 65-210BDzzzzzzzz, TPP 65-221BDzzzzzzzz, TPP 65-220BDzzzzzzzz, TPP 65-231BDzzzzzzzz, TPP 65-251BDzzzzzzzz, TPP 65-310M1BDzzzzzzzz, TPP 65-3102BDzzzzzzzz, TPP 65-310M2BDzzzzzzzz, TPP 65-321M1BDzzzzzzzz, TPP 65-321M2BDzzzzzzzz, TPP 65-3201BDzzzzzzzz, TPP 65-320M2BDzzzzzzzz, TPP 65-331M3BDzzzzzzzz, TPP 65-3512BDzzzzzzzz, TPP 65-351M2BDzzzzzzzz, THM 3-0510WIzzzzzz, THM 3-0511WIzzzzzz, THM 3-0512WIzzzzzz, THM 3-0513WIzzzzzz, THM 3-0515WIzzzzzz, THM 3-0521WIzzzzzz, THM 3-0522WIzzzzzz, THM 3-0523WIzzzzzz, THM 3-2410WIzzzzzz, THM 3-2411WIzzzzzz, THM 3-2412WIzzzzzz, THM 3-2413WIzzzzzz, THM 3-2415WIzzzzzz, THM 3-2421WIzzzzzz, THM 3-2422WIzzzzzz, THM 3-2423WIzzzzzz, THM 3-4810WIzzzzzz, THM 3-4811WIzzzzzz, THM 3-4812WIzzzzzz, THM 3-4813WIzzzzzz, THM 3-4815WIzzzzzz, THM 3-4821WIzzzzzz, THM 3-4822WIzzzzzz, THM 3-4823WIzzzzzz, THM 3-2410WI-A1zzzzzz, THM 3-2411WI-A1zzzzzz, THM 3-2412WI-A1zzzzzz, THM 3-2413WI-A1zzzzzz, THM 3-2415WI-A1zzzzzz, THM 3-2421WI-A1zzzzzz, THM 3-2422WI-A1zzzzzz, THM 3-2423WI-A1zzzzzz, THM 3-4810WI-A1zzzzzz, THM 3-4811WI-A1zzzzzz, THM 3-4812WI-A1zzzzzz, THM 3-4813WI-A1zzzzzz, THM 3-4815WI-A1zzzzzz, THM 3-4821WI-A1zzzzzz, THM 3-4822WI-A1zzzzzz, THM 3-4823WI-A1zzzzzz, THM 3-0510zzzzzz, THM 3-0511zzzzzz, THM 3-0512zzzzzz, THM 3-0513zzzzzz, THM 3-0515zzzzzz, THM 3-0521zzzzzz, THM 3-0522zzzzzz, THM 3-



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20171006-E188913
Report Reference E188913-20160503
Issue Date 2017-NOVEMBER-14

0523zzzzzz, THM 3-1210zzzzzz, THM 3-1211zzzzzz, THM 3-1212zzzzzz, THM 3-1213zzzzzz, THM 3-1215zzzzzz, THM 3-1221zzzzzz, THM 3-1222zzzzzz, THM 3-1223zzzzzz, THM 3-2410zzzzzz, THM 3-2411zzzzzz, THM 3-2412zzzzzz, THM 3-2413zzzzzz, THM 3-2415zzzzzz, THM 3-2421zzzzzz, THM 3-2422zzzzzz, THM 3-2423zzzzzz, THM 3-4810zzzzzz, THM 3-4811zzzzzz, THM 3-4812zzzzzz, THM 3-4813zzzzzz, THM 3-4815zzzzzz, THM 3-4821zzzzzz, THM 3-4822zzzzzz, THM 3-4823zzzzzz, THM 3-1210-B1zzzzzz, THM 3-1211-B1zzzzzz, THM 3-1212-B1zzzzzz, THM 3-1213-B1zzzzzz, THM 3-1215-B1zzzzzz, THM 3-1221-B1zzzzzz, THM 3-1222-B1zzzzzz, THM 3-1223-B1zzzzzz, THM 3-2410-B1zzzzzz, THM 3-2411-B1zzzzzz, THM 3-2412-B1zzzzzz, THM 3-2413-B1zzzzzz, THM 3-2415-B1zzzzzz, THM 3-2421-B1zzzzzz, THM 3-2422-B1zzzzzz, THM 3-2423-B1zzzzzz, THM 3-4810-B1zzzzzz, THM 3-4811-B1zzzzzz, THM 3-4812-B1zzzzzz, THM 3-4813-B1zzzzzz, THM 3-4815-B1zzzzzz, THM 3-4821-B1zzzzzz, THM 3-4822-B1zzzzzz, THM 3-4823-B1zzzzzz, THM 6-0510Wlzzzzzz, THM 6-0511Wlzzzzzz, THM 6-0512Wlzzzzzz, THM 6-0513Wlzzzzzz, THM 6-0515Wlzzzzzz, THM 6-0521Wlzzzzzz, THM 6-0523Wlzzzzzz, THM 6-2410Wlzzzzzz, THM 6-2411Wlzzzzzz, THM 6-2412Wlzzzzzz, THM 6-2413Wlzzzzzz, THM 6-2415Wlzzzzzz, THM 6-2421Wlzzzzzz, THM 6-2422Wlzzzzzz, THM 6-2423Wlzzzzzz, THM 6-4810Wlzzzzzz, THM 6-4811Wlzzzzzz, THM 6-4812Wlzzzzzz, THM 6-4813Wlzzzzzz, THM 6-4815Wlzzzzzz, THM 6-4821Wlzzzzzz, THM 6-4822Wlzzzzzz, THM 6-4823Wlzzzzzz, THM 6-2410WI-A1zzzzzz, THM 6-2411WI-A1zzzzzz, THM 6-2412WI-A1zzzzzz, THM 6-2413WI-A1zzzzzz, THM 6-2415WI-A1zzzzzz, THM 6-2421WI-A1zzzzzz, THM 6-2422WI-A1zzzzzz, THM 6-2423WI-A1zzzzzz, THM 6-4810WI-A1zzzzzz, THM 6-4811WI-A1zzzzzz, THM 6-4812WI-A1zzzzzz, THM 6-4813WI-A1zzzzzz, THM 6-4815WI-A1zzzzzz, THM 6-4821WI-A1zzzzzz, THM 6-4822WI-A1zzzzzz, THM 6-4823WI-A1zzzzzz, THM 6-0510zzzzzz, THM 6-0511zzzzzz, THM 6-0512zzzzzz, THM 6-0513zzzzzz, THM 6-0515zzzzzz, THM 6-0521zzzzzz, THM 6-0523zzzzzz, THM 6-1210zzzzzz, THM 6-1211zzzzzz, THM 6-1212zzzzzz, THM 6-1213zzzzzz, THM 6-1215zzzzzz, THM 6-1221zzzzzz, THM 6-1222zzzzzz, THM 6-1223zzzzzz, THM 6-1223zzzzzz, THM 6-2410zzzzzz, THM 6-2411zzzzzz, THM 6-2412zzzzzz, THM 6-2413zzzzzz, THM 6-2415zzzzzz, THM 6-2421zzzzzz, THM 6-2422zzzzzz, THM 6-2423zzzzzz, THM 6-4810zzzzzz, THM 6-4811zzzzzz, THM 6-4812zzzzzz, THM 6-4813zzzzzz, THM 6-4815zzzzzz, THM 6-4821zzzzzz, THM 6-4822zzzzzz, THM 6-4823zzzzzz, THM 6-1210-B1zzzzzz, THM 6-1211-B1zzzzzz, THM 6-1212-B1zzzzzz, THM 6-1213-B1zzzzzz, THM 6-1215-B1zzzzzz, THM 6-1221-B1zzzzzz, THM 6-1222-B1zzzzzz, THM 6-1223-B1zzzzzz, THM 6-2410-B1zzzzzz, THM 6-2411-B1zzzzzz, THM 6-2412-B1zzzzzz, THM 6-2413-B1zzzzzz, THM 6-2415-B1zzzzzz, THM 6-2421-B1zzzzzz, THM 6-2422-B1zzzzzz, THM 6-2423-B1zzzzzz, THM 6-4810-B1zzzzzz, THM 6-4811-B1zzzzzz, THM 6-4812-B1zzzzzz, THM 6-4813-B1zzzzzz, THM 6-4815-B1zzzzzz, THM 6-4821-B1zzzzzz, THM 6-4822-B1zzzzzz, THM 6-4823-B1zzzzzz, THM 6-0522Wlzzzzzz, THM 6-0522zzzzzz, THM 10-0510Wlzzzzzz, THM 10-0511Wlzzzzzz, THM 10-0512Wlzzzzzz, THM 10-0513Wlzzzzzz, THM 10-0515Wlzzzzzz, THM 10-0521Wlzzzzzz, THM 10-0523Wlzzzzzz, THM 10-2410Wlzzzzzz, THM 10-2411Wlzzzzzz, THM 10-2412Wlzzzzzz, THM 10-2413Wlzzzzzz, THM 10-2415Wlzzzzzz, THM 10-2421Wlzzzzzz, THM 10-2422Wlzzzzzz, THM 10-2423Wlzzzzzz, THM 10-4810Wlzzzzzz, THM 10-4811Wlzzzzzz, THM 10-4812Wlzzzzzz, THM 10-4813Wlzzzzzz, THM 10-4815Wlzzzzzz, THM 10-4821Wlzzzzzz, THM 10-4822Wlzzzzzz, THM 10-4823Wlzzzzzz, THM 10-2410WI-A1zzzzzz, THM 10-2411WI-A1zzzzzz, THM 10-2412WI-A1zzzzzz, THM 10-2413WI-A1zzzzzz, THM 10-2415WI-A1zzzzzz, THM 10-2421WI-A1zzzzzz, THM 10-2422WI-A1zzzzzz, THM 10-2423WI-A1zzzzzz, THM 10-4810WI-A1zzzzzz, THM 10-4811WI-A1zzzzzz, THM 10-4812WI-A1zzzzzz, THM 10-4813WI-A1zzzzzz, THM 10-4815WI-A1zzzzzz, THM 10-4821WI-A1zzzzzz, THM 10-4822WI-A1zzzzzz, THM 10-4823WI-A1zzzzzz, THM

Bruce Mahrenholz, Director North American Certification Program

UL LLC

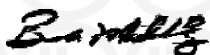
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20171006-E188913
Report Reference E188913-20160503
Issue Date 2017-NOVEMBER-14

10-0510zzzzzz, THM 10-0511zzzzzz, THM 10-0512zzzzzz, THM 10-0513zzzzzz, THM 10-0515zzzzzz, THM 10-0521zzzzzz, THM 10-0522zzzzzz, THM 10-0523zzzzzz, THM 10-1210zzzzzz, THM 10-1211zzzzzz, THM 10-1212zzzzzz, THM 10-1213zzzzzz, THM 10-1215zzzzzz, THM 10-1221zzzzzz, THM 10-1222zzzzzz, THM 10-1223zzzzzz, THM 10-2410zzzzzz, THM 10-2411zzzzzz, THM 10-2412zzzzzz, THM 10-2413zzzzzz, THM 10-2415zzzzzz, THM 10-2421zzzzzz, THM 10-2422zzzzzz, THM 10-2423zzzzzz, THM 10-4810zzzzzz, THM 10-4811zzzzzz, THM 10-4812zzzzzz, THM 10-4813zzzzzz, THM 10-4815zzzzzz, THM 10-4821zzzzzz, THM 10-4822zzzzzz, THM 10-4823zzzzzz, THM 10-1210-B1zzzzzz, THM 10-1211-B1zzzzzz, THM 10-1212-B1zzzzzz, THM 10-1213-B1zzzzzz, THM 10-1215-B1zzzzzz, THM 10-1221-B1zzzzzz, THM 10-1222-B1zzzzzz, THM 10-1223-B1zzzzzz, THM 10-2410-B1zzzzzz, THM 10-2411-B1zzzzzz, THM 10-2412-B1zzzzzz, THM 10-2413-B1zzzzzz, THM 10-2415-B1zzzzzz, THM 10-2421-B1zzzzzz, THM 10-2422-B1zzzzzz, THM 10-2423-B1zzzzzz, THM 10-4810-B1zzzzzz, THM 10-4811-B1zzzzzz, THM 10-4812-B1zzzzzz, THM 10-4813-B1zzzzzz, THM 10-4815-B1zzzzzz, THM 10-4821-B1zzzzzz, THM 10-4822-B1zzzzzz, THM 10-4823-B1zzzzzz, TPP100-112BAzzzzzzzz, TPP100-115BAzzzzzzzz, TPP100-118BAzzzzzzzz, TPP100-124BAzzzzzzzz, TPP100-128BAzzzzzzzz, TPP100-136BAzzzzzzzz, TPP100-148BAzzzzzzzz, TPP150-112BAzzzzzzzz, TPP150-115BAzzzzzzzz, TPP150-118BAzzzzzzzz, TPP150-124BAzzzzzzzz, TPP150-128BAzzzzzzzz, TPP150-136BAzzzzzzzz, TPP150-148BAzzzzzzzz, TPP100-112BDzzzzzzzz, TPP100-115BDzzzzzzzz, TPP100-118BDzzzzzzzz, TPP100-124BDzzzzzzzz, TPP100-128BDzzzzzzzz, TPP100-136BDzzzzzzzz, TPP100-148BDzzzzzzzz, TPP150-112BDzzzzzzzz, TPP150-115BDzzzzzzzz, TPP150-118BDzzzzzzzz, TPP150-124BDzzzzzzzz, TPP150-128BDzzzzzzzz, TPP150-136BDzzzzzzzz, TPP150-148BDzzzzzzzz, TPP100-112Bzzzzzzzz, TPP100-115Bzzzzzzzz, TPP100-118Bzzzzzzzz, TPP100-124Bzzzzzzzz, TPP100-128Bzzzzzzzz, TPP100-136Bzzzzzzzz, TPP100-148Bzzzzzzzz, TPP150-112Bzzzzzzzz, TPP150-115Bzzzzzzzz, TPP150-118Bzzzzzzzz, TPP150-124Bzzzzzzzz, TPP150-128Bzzzzzzzz, TPP150-136Bzzzzzzzz, TPP150-148Bzzzzzzzz, TPP100-112BUzzzzzzzz, TPP100-115BUzzzzzzzz, TPP100-118BUzzzzzzzz, TPP100-124BUzzzzzzzz, TPP100-128BUzzzzzzzz, TPP100-136BUzzzzzzzz, TPP100-148BUzzzzzzzz, TPP150-112BUzzzzzzzz, TPP150-115BUzzzzzzzz, TPP150-118BUzzzzzzzz, TPP150-124BUzzzzzzzz, TPP150-128BUzzzzzzzz, TPP150-136BUzzzzzzzz, TPP150-148BUzzzzzzzz, TPP100-112Azzzzzzzz, TPP100-115Azzzzzzzz, TPP100-118Azzzzzzzz, TPP100-124Azzzzzzzz, TPP100-128Azzzzzzzz, TPP100-136Azzzzzzzz, TPP100-148Azzzzzzzz, TPP150-112Azzzzzzzz, TPP150-115Azzzzzzzz, TPP150-118Azzzzzzzz, TPP150-124Azzzzzzzz, TPP150-128Azzzzzzzz, TPP150-136Azzzzzzzz, TPP150-148Azzzzzzzz, TPP100-112Dzzzzzzzz, TPP100-115Dzzzzzzzz, TPP100-118Dzzzzzzzz, TPP100-124Dzzzzzzzz, TPP100-128Dzzzzzzzz, TPP100-136Dzzzzzzzz, TPP100-148Dzzzzzzzz, TPP150-112Dzzzzzzzz, TPP150-115Dzzzzzzzz, TPP150-118Dzzzzzzzz, TPP150-124Dzzzzzzzz, TPP150-128Dzzzzzzzz, TPP150-136Dzzzzzzzz, TPP150-148Dzzzzzzzz, TPP100-112zzzzzzzz, TPP100-115zzzzzzzz, TPP100-118zzzzzzzz, TPP100-124zzzzzzzz, TPP100-128zzzzzzzz, TPP100-136zzzzzzzz, TPP100-148zzzzzzzz, TPP150-112zzzzzzzz, TPP150-115zzzzzzzz, TPP150-118zzzzzzzz, TPP150-124zzzzzzzz, TPP150-128zzzzzzzz, TPP150-136zzzzzzzz, TPP150-148zzzzzzzz, TPP100-112Uzzzzzzzz, TPP100-115Uzzzzzzzz, TPP100-118Uzzzzzzzz, TPP100-124Uzzzzzzzz, TPP100-128Uzzzzzzzz, TPP100-136Uzzzzzzzz, TPP100-148Uzzzzzzzz, TPP150-112Uzzzzzzzz, TPP150-115Uzzzzzzzz, TPP150-118Uzzzzzzzz, TPP150-124Uzzzzzzzz, TPP150-128Uzzzzzzzz, TPP150-136Uzzzzzzzz, TPP150-148Uzzzzzzzz, , TPP 30-103A-J, TPP 30-105A-J, TPP 30-109A-J, TPP 30-112A-J, TPP 30-115A-J, TPP 30-124A-J, TPP 30-136A-J, TPP 30-148A-J, THM 15-2411Wlzzzzzzzz, THM 15-2412Wlzzzzzzzz, THM 15-2413Wlzzzzzzzz, THM 15-



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

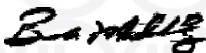


CERTIFICATE OF COMPLIANCE

Certificate Number 20171006-E188913
Report Reference E188913-20160503
Issue Date 2017-NOVEMBER-14

2415W|zzzzzzzz, THM 15-2421W|zzzzzzzz, THM 15-2422W|zzzzzzzz, THM 15-2423W|zzzzzzzz,
THM 15-4811W|zzzzzzzz, THM 15-4812W|zzzzzzzz, THM 15-4813W|zzzzzzzz, THM 15-
4815W|zzzzzzzz, THM 15-4821W|zzzzzzzz, THM 15-4822W|zzzzzzzz, THM 15-4823W|zzzzzzzz,
THM 20-2411W|zzzzzzzz, THM 20-2412W|zzzzzzzz, THM 20-2413W|zzzzzzzz, THM 20-
2415W|zzzzzzzz, THM 20-2421W|zzzzzzzz, THM 20-2422W|zzzzzzzz, THM 20-2423W|zzzzzzzz,
THM 20-4811W|zzzzzzzz, THM 20-4812W|zzzzzzzz, THM 20-4813W|zzzzzzzz, THM 20-
4815W|zzzzzzzz, THM 20-4821W|zzzzzzzz, THM 20-4822W|zzzzzzzz, THM 20-4823W|zzzzzzzz, THM
30-2411W|zzzzzzzz, THM 30-2412W|zzzzzzzz, THM 30-2413W|zzzzzzzz, THM 30-2415W|zzzzzzzz,
THM 30-2421W|zzzzzzzz, THM 30-2422W|zzzzzzzz, THM 30-2423W|zzzzzzzz, THM 30-
4811W|zzzzzzzz, THM 30-4812W|zzzzzzzz, THM 30-4813W|zzzzzzzz, THM 30-4815W|zzzzzzzz,
THM 30-4821W|zzzzzzzz, THM 30-4822W|zzzzzzzz, THM 30-4823W|zzzzzzzz, THM 15-
1211zzzzzzzz, THM 15-1212zzzzzzzz, THM 15-1213zzzzzzzz, THM 15-1215zzzzzzzz, THM 15-
1221zzzzzzzz, THM 15-1222zzzzzzzz, THM 15-1223zzzzzzzz, THM 15-2411zzzzzzzz, THM 15-
2412zzzzzzzz, THM 15-2413zzzzzzzz, THM 15-2415zzzzzzzz, THM 15-2421zzzzzzzz, THM 15-
2422zzzzzzzz, THM 15-2423zzzzzzzz, THM 15-4811zzzzzzzz, THM 15-4812zzzzzzzz, THM 15-
4813zzzzzzzz, THM 15-4815zzzzzzzz, THM 15-4821zzzzzzzz, THM 15-4822zzzzzzzz, THM 15-
4823zzzzzzzz, THM 20-1211zzzzzzzz, THM 20-1212zzzzzzzz, THM 20-1213zzzzzzzz, THM 20-
1215zzzzzzzz, THM 20-1221zzzzzzzz, THM 20-1222zzzzzzzz, THM 20-1223zzzzzzzz, THM 20-
2411zzzzzzzz, THM 20-2412zzzzzzzz, THM 20-2413zzzzzzzz, THM 20-2415zzzzzzzz, THM 20-
2421zzzzzzzz, THM 20-2422zzzzzzzz, THM 20-2423zzzzzzzz, THM 20-4811zzzzzzzz, THM 20-
4812zzzzzzzz, THM 20-4813zzzzzzzz, THM 20-4815zzzzzzzz, THM 20-4822zzzzzzzz, THM 20-
4823zzzzzzzz, THM 30-1211zzzzzzzz, THM 30-1212zzzzzzzz, THM 30-1213zzzzzzzz, THM 30-
1215zzzzzzzz, THM 30-1221zzzzzzzz, THM 30-1222zzzzzzzz, THM 30-1223zzzzzzzz, THM 30-
2411zzzzzzzz, THM 30-2412zzzzzzzz, THM 30-2413zzzzzzzz, THM 30-2415zzzzzzzz, THM 30-
2421zzzzzzzz, THM 30-2422zzzzzzzz, THM 30-2423zzzzzzzz, THM 30-4811zzzzzzzz, THM 30-
4812zzzzzzzz, THM 30-4813zzzzzzzz, THM 30-4815zzzzzzzz, THM 30-4821zzzzzzzz, THM 30-
4822zzzzzzzz, THM 30-4823zzzzzzzz

Where: "z" may be any alphanumeric character, "-" or blank for market purpose.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

